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NOTICE OF ALLOWANCE AND FEE(S) DUE

91436

7590

08/12/2010

Fanelli Strain & Haag PLLC 1455 Pennsylvania Ave., N.W., suite 400 Washington, DC 20004 EXAMINER

RAO, DEEPAK R

ART UNIT PAPER NUMBER

1624

DATE MAILED: 08/12/2010

| APPLICATION NO. FILING DATE | | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|-----------------------------|------------|----------------------|---------------------|------------------|--|
| 10/507,060 | 06/13/2005 | Rolf Baenteli | 999100-0102 | 8326 | |

TITLE OF INVENTION: 2,4- DIAMINOPYRIMIDINE DERIVATIVES

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 11/12/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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| Fanelli Strain & 1455 Pennsylvan Washington, DC | nia Ave., N.W., suit | e 400 | | | I her State addre trans | eby certify that thi es Postal Service w essed to the Mail mitted to the USPI | is Fee(ith suf Stop ΓΟ (57 | s) Transmittal is being ficient postage for first ISSUE FEE address (1) 273-2885, on the da | deposited with the United class mail in an envelope above, or being facsimile te indicated below. |
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| 10/507,060 | 06/13/2005 | | | Rolf Baenteli | | Į. | | 999100-0102 | 8326 |
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| | o small entity discount p | | , | ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any | | | | | |
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| interest as shown by the r | records of the United Sta | tes Pat | ent and Trademark | Office. | nan u | ic applicant, a regis | sicicu . | attorney or agent, or the | assignee or other party in |
| Authorized Signature | | | | | | Date | | | |
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| 91436 7 | 590 08/12/2010 | | EXAMINER | | | |
| Fanelli Strain & | Haag PLLC | | RAO, DEEPAK R | | | |
| 1455 Pennsylvania | a Ave., N.W., suite 400 | ART UNIT | PAPER NUMBER | | | |
| Washington, DC 2 | 20004 | | 1624 | | | |
| | | | DATE MAILED: 08/12/2010 | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 516 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 516 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | |
|--|---|---|-------|
| | 10/507,060 | BAENTELI ET AL. | |
| Notice of Allowability | Examiner | Art Unit | |
| | Deepak Rao | 1624 | |
| The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31 | G (OR REMAINS) CLOSED) or other appropriate comr RIGHTS. This application is | in this application. If not included nunication will be mailed in due course. | |
| 1. This communication is responsive to the Request for Cont | tinued Examination (RCE) | <u>filed on June 16, 2010</u> . | |
| 2. ☑ The allowed claim(s) is/are <u>1,2,4 and 8</u> . | | | |
| 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). | e been received. e been received in Applica | ion No | n the |
| * Certified copies not received: | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON'THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subn | MENT of this application. nitted. Note the attached E. | KAMINER'S AMENDMENT or NOTICE | |
| INFORMAL PATENT APPLICATION (PTO-152) which giv | res reason(s) wny the oath | or declaration is deficient. | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mu | | | |
| (a) ☐ including changes required by the Notice of Draftsper | - | ew (PTO-948) attached | |
| 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner Paper No./Mail Date | 's Amendment / Comment | | _ |
| Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in | | |)f |
| DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT | | |) |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. ☐ Interview | Informal Patent Application Summary (PTO-413), b./Mail Date | |
| 3. X Information Disclosure Statements (PTO/SB/08), | | s Amendment/Comment | |
| Paper No./Mail Date <u>20100616</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 9. | | |
| | /Deepak Rad Primary Exam Art Unit 1624 | iner | |

Application/Control Number: 10/507,060

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EXAMINER'S AMENDMENT

Page 2

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the Specification:

Insert the following below the title of the invention as the first paragraph:

This application is a 371 of PCT/EP03/02710 filed March 14, 2003.

In the Claims:

In claim 2, line 2, following 'formula II', insert:

In claim 2, line 4, following 'formula III', insert:

In claim 2, line 4, delete "R.sup.8 and R.sup.9" and in place insert -- R⁸ and R⁹ ---

Note: (1) The above amendments to claim 2 is to eliminate the typographical errors so that the claim is consistent with the originally presented claim.

> Claim 2 as amended is attached herewith in Appendix. (2)

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

The amendment filed on March 5, 2010 obviates the rejections of the previous office action, all except the provisional obviousness-type double patenting rejection over copending applications No. 10/549,250 and 11/377,716. As can be seen, the only other rejection remaining is "provisional" obviousness-type double patenting rejection over copending applications, which are later filed as compared to the effective filing date of the instant application. As per MPEP § 804, the provisional double patenting rejections should be withdrawn in the earlier filed application thereby permitting the earlier filed application to issue. Further, the claims of S.No. 11/377,716 are drawn to compounds that are structurally different from the instant claims. Specifically, the reference claims are drawn to compounds wherein R¹ and R² together with the carbon atoms to which they are attached form non-aromatic carbocyclyl or heterocyclyl as compared to the instant claims which at the analogous position contain aryl or heteroaryl groups.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deepak Rao whose telephone number is (571) 272-0672. The examiner can normally be reached on Monday-Friday from 8:00am to 5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson, can be reached at (571) 272-0661. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Deepak Rao/ Primary Examiner Art Unit 1624

August 11, 2010

Application/Control Number: 10/507,060

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APPENDIX

Copy of claim 2 as amended by examiner's amendment:

2. (Currently Amended) A process for the production of a compound of formula I according to claim 1, comprising the steps of reacting a compound of formula II

wherein R^1 , R^2 , R^3 , R^4 , R^5 , R^6 and X are as defined in claim 1, and Y is a leaving group; with a compound of formula III

$$R^7$$
 R^8
 H_2N
 R^9
(III)

wherein R^7 , R.sup.8 and R.sup.9 R^8 and R^9 are as defined in claim 1; and recovering the resulting compound of formula I in free form or in salt form, and, where required, converting the compound of formula I obtained in free form into the desired salt form or vice versa.